INDIANAPOLIS NATIONAL BANK

Designated United States Depository. Corner Room, Odd Fellows' Hall.

HEO. P. HAUGHEY, Pres't. E. E. REXFORD, Chas

CONDITION OF THE MARKETS

Further Declines in Wheat Cause Large Speculative Business at Chicago.

Difference Between December and May Options Widened-Corn Closes Unchanged-Oats Weaker-Hog Products Lower.

MONEY, STOCKS AND BONDS.

The Market Quiet and Dull, with Few Changes of Importance. NEW YORK, Nov. 23.-Money on call was easy, with no loans, closing offered at 526

Prime mercantile paper 6@712 per cent. Sterling exchange quiet and steady at \$4.80% for sixty-day bills and \$4.86 for de-

mand. The total sales of stocks to-day were 126,-656 shares, including the following: Atchison, 8,275; Delaware, Lackawanna & Western, 7,200; Louisville & Nashville, 2,225; Northwestern, 5,219; Northern Pacific preferred, 4,845; Oregon Transcontinental, 4,325; Pacific Mail, 2,060; Reading, 7,200; Richmond & West Point, 2,819; St. Paul, 2,830; Union

Pacific, 3,815. The stock market, owing to the absence of a large number of brokers at the Eastof a large number of brokers at the Eastern sports, was quiet to dull to-day, and the fluctuations, as a rule, were slight and without significance. The renewed attack upon Reading met with but poor success, and Louisville & Nashville and some of the specialties felt the influence of the pressure brought to bear. The market displayed a firm undertone throughout, and after the issue of the bank statement, which was published earlier than usual and was regarded as favorable, there was covering of "shorts" upon a liberal scale, and the upward movement which followed was very pronounced. Outwhich followed was very pronounced. Outside of Reading and Atchison there was was little interest in the stocks of the usually active list, though the Northern Pacifics attracted considerable attention. Atchison was strong on the semi-official statement that the success of the reorganization plan would be announced to-day, but, like all the active stocks, its final gain was insignificant. The center of interest in the regular list was Chesapeake & Ohio, which was strong and active for all three classes of stock, on the belief that the Vanderbilt-Drexel-Morgan interests were waiting for a turn, and had so advised their friends. The common stock was most active, but the preferred stocks took the lead in the upward movement, and both scored material advances.

There was more interest in the trusts, and the reorganization committee of Cot-ton Oil announced that a majority of certificates had been deposited under the plan, and that after Dec. 2 certificates will be received only upon payment of such penalty as may be fixed by the committee. Most decided strength was shown by Cotton Oil in the last hour, and it closed with a marked gain. A large "short" interest in the stock is

reported to have covered yesterday, which was not without its influence upon the stock. San Francisco preferred was the special weak point in the list, and it dropped 3 per cent. to 50 on light trading, but recovered about half of the loss. The close was active and strong at the best prices of the day. The sales of listed stocks, however, were only \$87,601.
Railroad bonds were active for the

short session, to-day, the sales reaching \$786,000, though only two issues, the Atlantic & Pacific incomes and the Gulf, Colorado & Santa Fe sixes showed any special animation. The tone of the dealings was moderately strong all the way out, but the final changes were in but few cases for more than fractional amounts. The sales of bonds for the week were \$7,-279.600, against \$8,336,000 for last week.

Government bonds were dull and steady.

State bonds were neglected. Closing quo-

tations were.	
Four per et. reg127	C., B. & Q10618
Four per ct. coup127	C., St. L. & P 15
Four and a les reg. 10438	C., St. L. & P. pref. 38
Four and a loscoup 105 lo	Fort Wayne 15612
Pacific 6s of '95 11710	Illinois Central 173
Louisiana st'nd 4s 913	I., B. & W 919
	Lake Erie & West. 184
	L. E. & W. pref 6319
Tenn new set 5s 102	Lake Shore1060s
Mutual Union 6a 100le	Michigan Central. 9612
St I by Mann Sa Otto	O b Mississippi
6t I 6 6 B con 31.7	O. & Mississippl 2242
St. L. & S.F.gen.m.117	O. & M. pref 89
Anams Express150	Peoria, D. & E 1934
Alton & T. H 42	Pittsburg156
	Pullman Palace1874
American Express116	U. S. Express 8512
Ches. & Ohio 2758	W., St. L. & P 1619
C. & O. pref. 1sts 663	W., St. L. & P. pref. 3218
C. & O. pref. 2ds. 454	Wells & Fargo Ex. 137
Chicago & Alton. 130	
The weekly bank	statement shows the

oans, decrease..... pecie, increase..... legal tenders, decrease..... 337,400

following changes:

NEW YORK, Nov. 23.—Bar silver, 961sc.

The banks now hold \$1,485,200 in excess of the

Business of the Clearing-Houses. BOSTON, Nov. 24.-The following table, compiled from dispatches from the clearing-houses in the cities named, shows the gross exchanges for the week ended Nov. 23, 1889, with rates per cent. of increase or decrease, as compared with similar amounts for the corresponding week in

1000.		
New York	\$799,437,165	Increase 20.5
Boston.A	95,243,701 79,758,061	Increase 8.4
Philadelphia	79,758,061	Increase 14.9
Chicago	72,774,000	Increase 6.5
8t. Louis	20,920,553	Increase 21.5
San Francisco	14,484,478	Decrease 2.8
New Orleans	14,124,091	Decrease. 1.9
Pittsburg	13,728,808	Increase 17.3
Baltimore	13,442,569	
Cincinnati	11,572,650	Increase 9,9
Kansas City	8.965,553	Increase 3.6
Louisville	6,960,000	Decrease 8.1
Minneapolis	6,922,429	Increase 18.8
Providence		Increase 4.3
Providence		Increase13.5
Detroit	5,267,076	Increase 27.9
Milwaukee	5,884,000	Increase 9.2
St. Paul	5,033,464	Increase 1.7
Omaha	4,023,344	Increase 8.8
Denver		Increase 52.2
Cleveland	4,641,453	Increase 28.9
Meniphis	3,929,067	Increase 7.4
Columbus	3,101,900	Increase 7.4 Increase 31.2
Galveston	2,177,820	Increase 27.8
Dallas	2.381.422	Increase . 40.8
Fort Worth	2,230,266	Increase.199.9
Indianapolis	2,493,946	Increase 32.8
Richmond	2,337,976	Increase 21.1
Peoria		Increase21.1
Portland, Me	1,265,752	Increase25.1
Duluth	1,568,177	Decrease 0.8
Hartford	1,903,605	Decrease23.5
Se Toponh	1,903,603	Increase 19.8
St. Joseph	1,088,998	Decrease33.6
Norfolk	1,224,462	Decrease 7.3
Springfield	1,291,198	Increase 8.9
Worcester	1,197,824	Increase 16.8
New Haven		Increase 0.4 Increase 6.5
Syracuse		Increase 6.5
Grand Rapids	661,052	Increase 13.1
Lowell	784,123	Increase 8.5
Los Angeles	699,250	Decrease21.6
Wiehita	539,266	Increase 68.8
Des Moines	611,342	Increase 4.7
Topeka	358,885	Decreuse 4.9
Buffalo	3,210,925	
Portland, Ore	1,922,464	
*Nashville	1,745,696	
"Seattle	978,188	******************************
*Sioux City	843,893	
Tacoma	782,270	***************************************
Tacoma	182,210	**************
*Birmingham	632,086	**************

1,224,919 Total.......\$1,229,650,269 Increase..16.7 Outside New York, 430,168,104 Increase..10.0 "Not included in totals. No clearing-house at this time last year.

11,098,018

TRADING AT CHICAGO.

Further Decline in Wheat-Corn Remains Steady-Oats and Pork Weaker. CHICAGO, Nov. 23.-In wheat a good speculative business was transacted at a further decline in prices. There was rather heavy liquidation of December wheat and differences widened to 412/2/434c between December and May. The opening was weak and prices declined 5sc for December and 1ge for May, ruled quiet later in the session and closed 5sc lower for December and 12c lower for May than the closing

figures of yesterday. Liberal receipts of

spring wheat and prospects of an in-crease of 1,750,000 to 2,250,000 bushels in

the visible supply were the weakening influences. European market advices noted a quiet and easier feeling. For the week export clearances aggregated 215,000 packages of flour and 500,000 bushels of wheat, being nearly 100,000 packages less of flour and 300,000 bushels less of wheat than last week. But little interest was manifested in the corn market, trading being limited to local operators, and fluctuations were confined to \$180 \$140\$ range. The feeling at times was easy, but the market, on the whole, was steady, values showing little, if any, change from yesterday. Oats were weaker with a fair volume of trading in May, but little of consequence was done in the near futures, and as offerings were free, prices declined \$100\$ sec. May declined \$100\$ neeling by two large traders, but reacted \$100\$ \$100\$ lin mess pork trading was fairly active, and the feeling was easier. Prices ruled \$100\$ \$100\$ lin lard, and prices ruled \$100\$ line trade was reported, and no particular changes were reported. Prices rather favored buyers. The leading futures ranged as follows:

Op! ions .	Open'g	Highest	Lowest	Closing
Wheat-Dec	7934	79%		7916
Jan	8014		7934	80
May	8419			837
Corn-Dec	3139			313
Jan	31	3118	31	31
May	3314	3314	3318	3314
Oats-Dec	****	***		20
May	22%	2258	2238	224
Pork-Year	\$9.30	89.35	\$9.25	\$9,25
Jan	9.4742	9.4712	9.85	9.371
May	9.80	9.80	9,6712	9.70
Lard-Dec	6.00	6.00	5.90	5.921
Jan	5.9719	5.9710	5.90	5.921
May	6.15	6.15	6.10	6.10
Short ribs-Y'r	4.9210			4.974
Jan	4.8712		4.8212	4.824
May	5.0712	5.0710	5.0212	5.021

Gash quotations were as follows: Flour quiet and unchanged. No. 2 spring wheat, 7834c; No. 3 spring wheat, 65@67c; No. 2 red. 7834c; No. 2 corn, 3234c; No. 2 oats, 20@204c; No. 2 rye, 45c; No. 2 barley, 58c; No. 1 flax-seed, \$1.36; prime timothy-seed, \$1.20@1.23; mess pork, per bbl, \$9.75; lard, per pound, 6.65c; short-rib sides (loose). 5@5.50c; dry-salted shouders (boxed), 4.3712@4.50c; short-clear sides (boxed), 5.25@5.3712c; whisky, distillers' finished goods, per gal., \$1.02. Sugars—Cut-loaf, unchanged.

On the Produce Exchange, to-day, the butter market was unchanged. Eggs, 21@22c.

bu; corn, 228,000 bu; oats, 140,000 bu; rye, 18,000 bu; barley, 63,000 bu. Shipments— Flour, 23,000 bbls; wheat, 31,000 bu; corn, 399,000 bu; oats, 167,000 bu; rye, 2,000 bu; barley, 29,000 bu.

AT NEW YORK.

Euling Prices in Produce at the Sesboard's Commercial Metropolis. NEW YORK, Nov. 23 .- Flour-Receipts,

20,717 packages; exports, 15,409 brls, 13,018 sacks. The market was dull and weak. Sales, 17,150 brls. Corn-meal quiet. Wheat-Receipts, 159,314 bu; exports, 31,-

095 bu; sales, 2,784,000 bu futures, 114,000 bu spot. The spot market was dull and weaker; No. 2 red, 8312@84c in elevator, 8434@85c afloat, 8414@857sc f. o. b.; No. 3 red, 80c; ungraded red, 79@8434c; steamer No. 2 red, 81c; steamer No. 3 red, 741c; No. 1 hard, 95@9514e; No. 1 Northern, 91@9114c. Options were fairly active, 18@3sc lower and steady; trading chiefly local; No. 2 red. November, closing at 8314c; December, 8338 @ \$35sc, closing at 8312c; January, 8434@ 847sc, closing at 847sc; February, 861s@ 8614c; closing at 8618c; March closing at 874c; April closing at 8812c; May, 89@ 89 3-16e, closing at 891sc; June, 8812@885sc, closing at 885sc.

Rye steady; Western, 55@5512c. Barley weak. Barley malt quiet.

Corn-Receipts, 175,700 bu; exports, 1,000 bu; sales, 440,000 bu futures, 174,000 bu spot. The spot market was moderately active but weaker; No. 2, 41½c in elevator, 42@ 42½c afloat; No. 2 white, 41½c; ungraded mixed, 35½@42¾c. Options were dull, lower and weak; November, 41½c; December, 41¾c; January, 41½@41 9-16c, closing at 41½c; May, 41½@14⁵sc, closing at 41½c; May, 41½æ14⁵sc, closing at 41½c; May, 41½æ14⁵sc, closing at 41½c; January, 27½æ27 11-16c, closing at 27¾c; January, 27¾c; spot No. 2 white, 30½æ31c; mixed Western, 27æ29½c; white Western, 30æ35c; No. 2 Chicago, 29½c.

Hay dull; shipping, 45æ50c; good to choice, 70æ35c. Hops quiet and steady.

Coffee—Options opened quiet at 5æ10 peints down and closed barely steady at unchanged to 10 points down. Sales, 15,500 The spot market was moderately active

peints down and closed barely steady at unchanged to 10 points down. Sales, 15,500 bags, including: December, 15.70@15,80c; January, 15.75@15.80c; March, 15.80@15.85c; May, 15.80@15.90c; June, 15.85c; July, 15.75@15.80c; August, 15.70c; spot Rio steady; fair cargoes, 1934c; No. 7, 1714c. Sugar—Raw firm and quiet; refined firm and active. Molasses—Foreign nominal; New Orleans steady. Rice in fair demand and steady. Cotton-seed oil steady. Tallow quiet. Rosin steady and quiet; strained, common Rosin steady and quiet; strained, common to good, \$1.10@1.15.

Eggs firm and quiet; Western, 25@2512c; receipts, 1,889 packages. Pork firm and in fair demand; mess, in-\$11; extra prime, \$9.50@9.75. Cut meats quiet. Middles firm. Lard-There was a big break in November on unloading of held-over October lard; otherwise the market was quiet and about steady; Western steam nominal at 6.50c; sales of November, 2,000 tierces, opening at 6.46c, selling down to 6.33c, and closing at 6.33c; other sales, 1,000 tierces; December, 6.86c; January, 6.36c; February, 6.40e; March, 6.47c, closing at 6.45c;

Butter firm and quiet; Elgins, 2612@27c; Western dairy, 9@17c; Western creamery, 13@2512c; Western creamery held at 12@18c; Western factory, 712@18c. Cheese quiet and firm; Western, 712@10c.

TRADE IN GENERAL.

Quotations at St. Louis, Philadelphia, Baltimore, Cincinnati and Other Points.

ST. LOUIS, Nov. 23.—Flour quiet and easy. Wheat lower. The market was dull throughout, and closed \$\frac{3}{8}\vartheta \frac{1}{2}c\$ below yesterday; No. 2 red, eash, \$77\frac{1}{2}c\$ nominal; December, \$77\frac{7}{8}\vartheta 78\frac{1}{2}c\$, closed at \$77\frac{7}{8}\vartheta 83\frac{1}{2}c\$, closed at \$79c\$; May, \$3\frac{1}{8}\vartheta 83\frac{1}{2}c\$, closed at \$3\frac{1}{2}c\$, closed at \$3\frac{1}{2}c\$, closed at \$31\frac{7}{2}c\$; November, \$2\vartheta 32\frac{1}{2}c\$, closed at \$31\frac{7}{2}c\$ asked; December, \$28\frac{1}{2}\vartheta 28\frac{1}{2}c\$, closed at \$28\frac{1}{2}c\$, elosed at \$28\frac{1}{2}c\$ 32½c, closed at 31½c asked; December, 28½æ, 28½c, closed at 28½c asked; May, 30æ30½c, closed at 30½c asked. Oats lower; No. 2, cash, 19½æ20c bid; May, 22½c; December, 20½c asked; January, 21c. Rye dull; No. 2, 40c bid. Barley—Nothing doing. Hay dull and weak. Bran quiet and unchanged. Flaxseed steady at \$1.25. Butter unchanged. Eggs unchanged. Corn-meal, \$1.60æ1.65. Whisky, \$1.02. Provisions dull, with no demand for round lots. Receipts—Wheat, 66,000 bu; corn. 196.000 bu; Receipts-Wheat, 66,000 bu; corn, 196,000 bu; oats, 17,000 bu. Shipments-Wheat, 9,000 bu; corn, 55,000 bu; oats, 9,000 bu. PHILADELPHIA. Nov. 23.—Flour—Desira-ble lots of spring wheat flours firm, with a fair

ble lots of spring wheat flours firm, with a fair demand; winters quiet. Wheat quiet; ungraded, 84½c; choice No. 2 red, in Twentieth-street elevator, 85c; No. 2 red, November, 80æ80½c; December, 80æ80½c; January, 81½æ82c; February, 83æ83½c. Corn firm and quiet; sales No. 2 mixed, in Twentieth-street elevator, 43c; No. 2 mixed, in grain depot, 43½c; No. 2 mixed, November, 40æ40½c; December, 39½c; January, 39æ39½c; February, 39¼æ39¾c, Oats—Car lots firm but quiet; No. 3 white, 28½c; No. 2 white, 29½c; futures quiet but firm: No. 2 No. 2 white, 29½c; futures quiet but firm; No. 2 white, November, 28¾æ29¼c; December, 29¾æ30c; February, 29¾æ30c. Eggs—Fresh stock scarce and firm; Pennsylvania firsts, 26c; held lots dull at 14æ23c. Receipts—Flour, 700 brls; wheat, 1,100 bu; corn, 6,100 bu; cats, 13,300 bu. Shipments—Wheat, 2,200 bu; corn, 16,000 bu; oats, 13,800 bu.

BALTIMORE, Nov. 23.—Wheat — Western quiet and easy; No. 2 winter red, spot and November, 784 #79c; December, 794 #794c; January, 814 @814c; February, 824 @83c; May, November, 40¹4° 40¹2°; December, 40¹2° 40⁵8°; Jear, 39° 39¹4°; January, 39° 39¹8°; February, 39° 439¹8°; February, 39° 439¹8°; February, 39° 439¹8°; April, 40°; steamer, 39° 39¹4°. Oats firm: Western white, 28° 29° 12°; Western mixed, 26° 28°; No. 2 white, 29° 144°. Proposite prime to choice, 53° 55° 18°. 29c bid. Rye quiet; prime to choice, 53\abpla 55c. Hay—Good demand; prime to choice timothy, \$12.50\alpha 13.50. Provisions steady. Butter firm; Western packed, 12\alpha 15c; creamery fancy, 24\alpha 25c. Eggs firm; Western, 25c. Coffee steady; Rio, fair, 19\alpha 20c. Receipts—Flour, 18,000 brls; wheat, 29,000 bu; corn, 37,000 bu; oats, 27,000 bu. Shipments—Flour, 1,000 brls; corn, 37,000 bu; oats, 27,000 bu. Shipments—Flour, 1,000 brls; corn, 37,000 bu; corn,

37,000 bu. Shipments-Flour, 1,000 brls; corn, 60,000 bu. Sales-Wheat, 200,000 bu; corn, MINNEAPOLIS, Nov. 23 .- Receipts of car lots were again large in Minneapoils, amounting to 583 cars of fresh arrivals, with 131 shipped. Holders began by asking prices on the basis of about 77c for choice No. 1 Northern, and few cars sold. Later, with a dull tone, and millers, as well as shippers, holding back, they began selling freely at 764c when they could get it, and later at 764c. Elevator buyers were mostly out of the market, values having been held for a few days above their reach. Closing quotations: No. 1 hard, November, 774c; December, 774c; May, 834c; on track, 784c. No. 1 Northern, Nolots were again large in Minneapoils, amounting

vember, 74%; December, 74%; May, 81%; on track, 76c. No. 2 Northern, November, 71c; December, 71c; May, 77c; on track, 71@73c.

CINCINNATI, Nov. 23.—Flour heavy. Wheat in fair demand and tirm: No. 2 red, 77@78c; receipts, 2,500 bu; shipments, 5,000 bu. Corn strong; No. 2 mixed, 38c. Oats dull; No. 2 mixed, 22½c. Rye quiet and firm at 46c. Pork steady at \$10. Lard weaker at 5.90@6c. Bulk meats steady; short ribs, 5.25c. Bacon nominal; short clear, 6.50c. Whisky steady; sales, 1,233 bris of finished goods on a basis of \$1.02. Butter steady. Sugar firm. Eggs firm at 20c. Cheese steady.

TOLEDO, Nov. 23.—Wheat dull and lower; cash, 82½283¾c: December, 82¼c; May, 86¼c. Corn dull but steady; cash, 34½c. Oats quiet; cash, 22c. Clover-seed active but lower; cash and November, \$3.65; December, \$3.67½; January, \$3.70; February, \$3.75. Receipts—Wheat, 9,800 bu; corn, 7,700 bu; rye, 33,600 bu; clover-seed, 895 bags. Shipments—Wheat, 15,500 bu; corn, 41,400 bu; oats, 11,500 bu; rye, 13,900 bu; clover-seed, 1,003 bags.

DETROIT, Nov. 23.—Wheat—No. 1 white, cash, 79½c; No. 2 red. cash and November, 81½c; December, 81¾c; May, 86¾c. Corn—No. 2, cash, 35c; November, 34½c; December, 33¼c. Oats—No. 2, cash. 23c; No. 2 white, cash, 24½c. Receipts—Wheat, 19,700 bu; corn, 3,700 bu; oats, 1,300 bu.

NEW YORK, Nov. 23.—Petroleum opened at \$1.095s, and moved up slightly in the first hour. The market became dull and remained so until the close, which was firm at \$1.10. Stock Exchange opened at \$1.095s; highest, \$1.10; lowest, \$1.095s; closing at \$1.10. Consolidated Exchange—Opening, \$1.091s; highest, \$1.101s; lowest, \$1.091s; closing, \$1.097s. Total sales, 247,000 brls. Turpentine steadler and quiet at 441s 245c.

OIL CITY, Nov. 23.—National Transit certificates opened at \$1.09\(^1\)2; highest. \$1.10\(^1\)4; lowest, \$1.09\(^1\)2; closed at \$1.10\(^1\)8. Sales, 112,000 brls; clearances, 636,000 brls; charters, 62,698 brls; shipments, 49,630 brls; runs, 44,692 bris. PITTSBURG, Nov. 23.—Petroleum duil but firm. National Transit certificates opened at \$1.095; closed at \$1.10; highest, \$1.104; lowest,

SAVANNAH, Nov. 23 .- Turpentine firm at CLEVELAND, Nov. 23.—Petroluem quiet; standard white, 110°, 719c. WILMINGTON, Nov. 23.-Turpentine firm at

Dry Goods. NEW YORK, Nov. 23,—There was a fair business in dry goods for Saturday, with the market in an unchanged condition, either as regards tone or prices. The tendency is apparently towards improvement in the position of staple goods, the high cost of the same materials, as well as the rather short supply of fabrics, causing manufacturers to be very firm in their views. The general outlook continues of a favorable character.

Metals.

quiet; American, \$16.50 2 19. Copper nuchanged. Lead quiet; domestic, 3.80c. Tin quiet and steady; ST. LOUIS. Nov. 23.—Lead—Desilverized refined held at 3.62½c; other kinds at 3.60c. Cotton.

LIVERPOOL, Nov. 23.—Cotton quiet and unchanged. Sales, 7,000 bales, of which 1,500 bales were for speculation and export, and included 5,500 bales American.

LIVE STOCK.

Cattle Strong but Unchanged-Hogs Ruled Very Dull, Closing Weak-Sheep Higher. INDIANAPOLIS, Nov. 23.

CATTLEReceipts, 375; shipmen	ts, 725. But
few fresh arrivals. Market strong	at about the
same quotations. All sold.	A-1-44-
Choice export grades	\$4.20@4.60
Good export grades	3.75 @4.16
Medium to good shippers	13.20 73.50
Common to fair shippers	2.60@3.10
Feeders, 900 to 1,000 tbs	2.5073.00
Stockers, 500 to 800 fbs	2.00@2.40
Good to choice beifers	
Common to medium heifers	1.50@2.10
Good to choice cows	
Fair to medium cows	
Common old cows	
Veals, common to good	2.5004.00
Bulls, common to fair	
Bulls, common to choice	2.25@2.75
Milkers and springers	
Trans Darlet Aggs No.	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

Hogs.-Receipts, 6,900; shipments, 2,250. Quality fair. The market opened weak and lower, shippers buying but few. Packers very bearish. Trade ruled very dull to the finish, which was decidedly bad, closing weak. Several unsold. The following are closing quotations:

 Heavy packing and shipping
 \$3.60 \u03a3.70

 Mixed packing
 3.60 \u03a3.65

 Common to good light
 3.50 \u03a3.60

 Heavy roughs
 3.00 \u03a3.25

SHEEP.-Receipts, 800; shipments, 800. There was a fair supply. Quality good and market higher on that class. Three loads of good heavy wethers sold at \$4.90.

Good to choice\$4.25@4.75

Elsewhere.

CINCINNATI, Nov. 23.—Cattle—Receipts, 250; shipments, 70. There is a light demand but a steady market. Common, \$1.25@1.75; fair to medium butchers' grades, \$2@2.75; good to choice, \$3@3.65; good to choice shippers, \$3.50 Sheep-Receipts, 90; shipments, 200. The demand is active and the market strong. Common

to fair, \$2.50\(\pi_3\).75; prime to choice, \$4\(\pi_4\).75; extra wethers and yearlings, \$4.75\(\pi_5\). Lambs are in light supply and firm; medium to choice shipping, \$5.75\(\pi_6\); heavy shipping, \$5.25\(\pi_5\).50; common to choice butchers' qualities, Hogs—The market was easier. Common and light, \$323.80; packing and butchers', \$3.702 3.85. Receipts, 6,800; shipments, 1,800.

CHICAGO, Nov. 23.—The Drovers' Journal raports: Cattle — Receipts, 3,600; shipments, none. Market steady to strong; beeves, \$4.600 5.35; steers, \$2.85 \$5.35; stockers and feeders, \$202.90; Texas attle, \$1.5002.90; Western rangers, \$2.60@3.50. Hogs - Receipts, 21,500; shipments, Market weak, but not quotably lower; mixed, \$3.65@3.95; heavy, \$3.60@3.95; light, \$3.65@ 3.95; skips, \$3@3.55

Sheep-Receipts, 1,000; shipments, —. Market steady; natives, \$2.75@5; Western grassers, \$3.50@4.20; Texans, \$3@4.10; lambs, \$4.50@ KANSAS CITY, Nov. 23 .- The Daily Live Stock

Indicator reports: Cattle—Receipts, 2,000; shipments, 2,100. The market was strong and 10c higher. Native beeves, \$3.20@4.75; cows, \$1.60@2.50; stockers and feeders, \$2.20@3.10; Tex-Hogs-Receipts, 3,500; shipments, none. The market was strong and 5c higher. Good to choice, \$3.72\23.77\2; heavy and mixed, \$3.65

Sheep-Receipts, 1,800; shipments, 700. The market was dull and easy. Good to choice, \$3.80 25: stockers and feeders, \$2.4024.70. ST. LOUIS, Nov. 23.—Cattle—Receipts, 300; shipments, 1,600. The market was strong.; Good to fancy native steers, \$4.30@4.80; fair to good native steers, \$3.30@4.40; steers and feeders, \$2.10@3.20; range steers, \$2@3. Hoga-Receipts, 2,300; shipments, 1,100. The market was strong. Fair to choice heavy, \$3,70\alpha 3.80; packing grades, \$3.60\alpha 3.75; light, fair to best, \$3.55\alpha 3.65.

Sheep-Receipts, none; shipments, 900. The market was firm. Fair to choice, \$3.50@4.80. EAST LIBERTY, Nov. 23.—Cattle—Receipts, 1,340; shipments, 1,240. Nothing doing; all through consignments. Ten car-coads of cattle shipped to New York to day.

Hogs-Receipts, 3,100; shipments, 3,400. The market was slow. Philadelphias, 34: Yorkers, \$3.75 \alpha 3.85. Nine car-loads of hogs shipped

to New York to-day.

Sheep—Receipts, 1,600; shipments, 1,400. The market was slow at unchanged prices. BUFFALO, Nov. 23.—Cattle—The market was strong at Monday's prices. Receipts, 175 carloads through and 35 car-loads for sale. Hogs steady and unchanged. Receipts, 31 car-loads through and 90 car-loads for sale.

INDIANAPOLIS MARKETS.

A Week in Which Trade Has Been Disappointing-Few Changes in Values.

INDIANAPOLIS, Nov. 23. Trade in the week closing to-day did not reach expectations, four rainy days and mild weather doubtless being the chief cause. In prices there were no fluctuations of importance. With the firm tone to the wool market East, all lines of dry goods rule firm. In groceries a strong tone to prices prevails; especially is this true of coffees and sugars. Foreign fruits, as usual as the holidays draw near, are selling better at steady, firm prices. In the produce circles there has been a fair trade for a couple of days past. Really choice butter finds good sale, and fresh eggs are in demand at quotations. Poultry rules steady and is not likely to go any lower. Receipts are as not as large as a few days ago, and this has tended to check the temporary weakness in the market. Choice apples meet with ready sale, but common stock sells slow. The receipts of potatoes are not so large the last few days, yet prices rule weak. Oranges, if fine fruit, are in excel-lent demand, but the receipts are largely green and inferior fruit. The provision market has been more active for a day or two, and a shade better prices are noticea-ble. The seed market is dull; prices weak. The hide market is active at unchanged prices. Leather-dealers report trade good,

but prices on several descriptions of leather easy. Other markets present no new feat-

The Indianapolis Market Report shows the receits of wheat to-day to have been 7,800 bushels. We quote: Wheat-No. 2 red, on track, 77@ 78c; No. 3 red, on track, 74 @ 76c; rejected, for choice samples, on track, 70 273e; rejected, for poor to fair samples, on track, 65 268c; Novem-

poor to fair samples, on track, 65268c; November, on track, 79c.

Corn scarce and in active demand. Receipts posted to-day, 4,800 bushels; yesterday, 3,600 bushels. No. 1 white, on track, 35235½c; No. 2 white, on track, 34½235c; white mixed, on track, 34234½; No. 3 white, on track, 28c; No. 2 yellow, on track, 33½c; No. 3 yellow, on track, 33c; No. 2 mixed, on track 33½234c; new No. 3 mixed, on track, 30232c; ear, on track, 32233c; new ear, on track, 25228c.

Oats—Receipts posted to-day, 2,000 bushels; No. 2 white, on track, 23½c; No. 3 white, on track, 22c; No. 2 mixed, on track, 21½c; rejected, on track, 18219½c.

Hay and Straw—Receipts posted to-day, 3 cars. Timothy, choice, on track, \$11; No 1, on track, \$10.25210.50; No. 2, on track, \$250. Prairie—No. 1, on track, \$7 asked.

Bran—The market is dull. Shippers are bidding \$828.25 per ton for spot. Local dealers are bidding \$8.2528.50.

Jobbing-Trade Price List.

CANNED GOODS. CANNED GOODS.

Peaches—Standard 3-pound, \$2.25*2.50; 3-pound seconds, \$1.65*1.75. Miscellaneous—Blackberries, 2-pound, \$0*290c; raspberries, 2-pound, \$1.15*21.30; pineapple, standard, 2-pound, \$1.40*2.50; seconds, 2-pound, \$1.10*2 1.20; cove oysters, 1-pound, full weight, 95c*2\$1; light, 65*275c; 2-pound, full, \$1.70*21.80; light, 90c*31; string beans, 85*295c; Lima beans, \$1.20*21.30; peas, marrowfat, \$1.20*21.40; small, \$1.50*21.75; lobsters, \$1.85*2; red cherries, 95c*21.10; strawberries, \$1.20*21.30; salmon (ibs), \$1.90*2.50.

COAL AND COKE. Anthracite, \$6.75 % 7 \$\psi\$ ton; Jackson lump, \$4 \$\psi\$ ton; nut, \$3.50; Brazil block, \$3.50 \$\psi\$ ton; nut, \$3; Pittsburg, \$4 \$\psi\$ ton; nut, \$3.75; Raymond and Winifrede, \$4 \$\psi\$ ton; nut, \$3.75; Duggar lump, \$3.25 \$\psi\$ ton; nut, \$2.75; Island City lump, \$3.25 \$\psi\$ ton; nut, \$3; Highland lump, \$3 \$\psi\$ ton; nut, \$2.50; Piedmont and Blossburg, \$5 \$\psi\$ ton; Indiana cannel, \$5 \$\psi\$ ton; gas-house coke, 13c \$\psi\$ bu, or \$3.25 \$\psi\$ load; crushed coke, 14c \$\psi\$ bu, or \$3.50 \$\psi\$ load.

Alcohol, \$2.22\(\pi 2.30\); asafætida, \$15\(\pi 20c\); alum, \$4\(\pi 5c\); eamphor, \$30\(\pi 33c\); cochineal, \$50\(\pi 55c\); chloroform, \$38\(\pi 40c\); coperas, brls, \$3\(\pi 2.50\); cream tartar, pure, \$30\(\pi 35c\); indigo, \$60\(\pi 81c\); licorice, Calab., génuine, \$30\(\pi 45c\); magnesia, carb., \$2-0z, \$25\(\pi 35c\); morphine, P. & W., \$\(\pi \) oz, \$2.90\; madder, \$12\(\pi 14c\); oil, castor, \$\(\pi \) pal. \$1.25\(\pi 1.30\); oil, bergamot, \$\(\pi \) ib, \$\$3\(\pi 3.25\); opium, \$3.25\(\pi 3.35\); quinine, P. & W., \$\(\pi \) oz, \$42\(\pi 47c\); balsam copaiba, \$60\(\pi 65c\); soap, Castile, Fr., \$12\(\pi \) 16c; soda, bicarb., \$4\(\pi \) \(\pi 6c\); salts, Epsom, \$4\(\pi 5c\); sulphur, flour, \$4\(\pi 6c\); saltpeter, \$8\(\pi 20c\) turpentine, \$58\(\pi 62c\); glycerine, \$25\(\pi 30c\); idodide potass. Alcohol, \$2.22@2.30; asafætida, 15@20e; alum, tine, 58262c; glycerine, 25230c; idodide potass., \$2.402.50; bromide potass., 40242c; chlorate potash, 25c; borax, 10212c; cinchonidia, 122 loc; carbolic acid. 45250c.

OHS-Linseed oil, raw, 59c P gal; boiled, 62c; coal oil. legal test, 94214c; bank, 40c; best straits, 50c; Labrador, 60c; West Virginia, lubricating, 20230c; miners', 65c. Lard Oils, No. 1, 50255c; do, extra, 65270c.

DRY GOODS.

WHITE LEAD-Pure, 7c.

BLEACHED SHEETINGS—Blackstone AA, 734c;
Ballou & Son, 7½c; Chestnut Hill, 6c; Cabot 4-4,
7½c; Chapman X, 6½c; Dwight Star S, 8¾c;
Fruit of the Loom, 8¾c; Lonsdale, 8½c; Linwood,
Sc; Masonville, 8¾c; New York Mills, 10½c; Our
Own, 5¾c; Pepperell, 9-4, 22c; Pepperell, 10-4,
24c; Hills, 8c; Hope, 7½c; Knight's Cambric, 8c;
Lonsdale Cambric, 10c; Whitinsvilie, 33-inch,
6½c; Wamsutta, 10½c.

BROWN SHEETING—Atlantic A, 7¼c; Roott C,
6c; Agawam F, 5½c; Bedford R, 5c; Augusta,
5½c; Boott AL, 7c; Continental C, 6¾c; Dwight
Star, 8c; Echo Lake, 6½c; Graniteville EE, 6½c;
Lawrence LL, 5¾c; Pepperell E, 7¼c; Pepperell
R, 6¾c; Pepperell 9-4, 20c; Pepperell 10-4, 22c;
Utica 9-4, 22½c; Utica 10-4, 25c, Utica C, 4½c.
Ginghams—Amoskeag, 6¾c; Bates, 6½c; Gloucester, 6¼c; Glasgow, 6c; Lancester, 6¾c; Ranelman's, 7½c; Renfrew Madras, 8½c; Cumberland, 6c; White, 6½c; Bookfold, 9½c.

Grain Bags—American, \$16.50; Atlantic, \$18;
Franklinville, \$18; Lewistown, \$18; Ontario,
\$16.50; Stark A, \$21.

Prime Cambrics—Manville, 6c; S. S. & Son
6c; Masonville, 6c; Garner, 6c.

PRIME CAMERICS—Manville, 6c; S. S. & Son 6c; Masonville, 6c; Garner, 6c.

PRINTS—American fancy, 6½c; Allen's fancy, 6½c; Allen's dark, 6c; Allen's pink, 6½c; Arnold's, 6½c; Berlin solid colors, 6c; Cocheco, 6½c; Conestoga, 6c; Dunnell's, 6c; Eddystone, 6½c; Hartel, 6c; Harmony, 5½c; Hamilton, 6½c; Greenwich, 5½c; Knickerbocker, 5½c; Mallory pink, 6½c; Prices on dress styles irregular; depends on pattern

Tickings—Amoskeag ACA, 12½c; Conestoga BF, 15c; Conestoga extra, 13½c; Conestoga Gold Medal, 14c; Conestoga CCA, 12c; Conestoga AA, 10c; Conestoga X. 9c; Pearl River, 12c; Falls OBO, 32-inch, 13½c; Methuen AA, 12½c; Oakland A, 6½c; Swift River, 6½c; York, 32-inch, 12½c; York, 30-inch, 10½c. FRUITS AND VEGETABLES. APPLES-Choice \$2.25@3 P brl; common, \$1

APPLES—Choice, \$2.25&3 \$\psi\$ bri; common, \$1 \$2.50; extra eating. \$3&3.50.

Cranberries—\$2.50\psi 3.25 \$\psi\$ bu; \$8.50\psi 9.00 \$\psi\$ bri; fancy stock. \$10 \$\psi\$ bri.

Cabbage—50\pi60c \$\psi\$ bri.

Grapes—Concord, 40c \$\psi\$ 10-\$\psi\$ basket; Catawbas, 45\pi50c; Malagas, \$6.50\pi8.50 \$\psi\$ bri, price varying with number of pounds in barrel.

Sweet Potatoes—Kentucky, \$1.75; Virginia, \$2.75 bri; Jersey \$3.75\pi4 \$\psi\$ bri; Indiana, \$1.50 \$\pi\$1.75 \$\psi\$ bri.

Onions—Silver skin. \$1.75 \$\psi\$ bri; red. \$1.50 \$\psi\$ ONIONS—Silver skin. \$1.75 \$\P\$ brl; red. \$1.50 \$\P\$ brl; Spanish onions. \$1.25 \$\P\$ box.
POTATOES—30 \$\alpha\$35e \$\P\$ bu; \$1\alpha\$1.25 in shipping

CELERY-Choice, 40@50c a bunch; common 15@20c a bunch.
FOREIGN FRUITS.

FOREIGN FRUITS.

Raisins, California London Layer, new, \$2.50\(\pi \)

2.75\(\phi \) box; California, loose, muscatelle 3-crown, \$2\(\pi \)

\$2\(2.25\) \(\phi \) box; Valencia, new, \$\(\pi \)

\$\(\phi \)

\$2\(2.25\) \(\phi \) box; Valencia, new, \$\(\pi \)

\$\(\phi \) OIL CAKE.

Oil cake, \$23 P ton; oil meal, \$23. GROCERIES.

SUGARS - Hards, 712@9c; confectioners' A. $7\sqrt[3]{4}\sqrt[3]{7}$ c; off A, $6\sqrt[3]{6}\sqrt[3]{8}$ c; coffee A, $6\sqrt[3]{6}\sqrt[3]{8}$ c; white extra C, $6\sqrt[3]{6}\sqrt[3]{6}$ c; extra C, $6\sqrt[3]{6}\sqrt[3]{6}$ c; good yellows, $6\sqrt[3]{6}\sqrt[3]{6}$ c; fair yellows, $6\sqrt[3]{6}\sqrt[3]{6}$ c; Above is a revision of prices to conform with the present Eastern market.

COFFEES—Ordinary grades, 194@194c; fair, 20@204c; good, 204@214c; prime, 224@234c; etrictly prime to choice, 234@244c; fancy green and yellow, 244@254c; old government Java, 334@344c; ordinary Java, 294@304c; imitation Java, 274@284c. Roasted coffees, 1 to packages, 234c; Banner, 234c; Lion, 234c; Gates's Blended Java, 234c; Arbuckle's, 234c.

Dried Reef—9@10c.

DRIED BEEF-9@10c. Molasses and Syrups—New Orleans molasses, fair to prime, 35@45c; choice, 45@55c. Syrups,

SHOT-\$1.15@1.20 \$\pi\$ bag for drop.

FLOUR SACKS—No. 1 drab \(^1_4\) brl, \$33 \$\pi\$ 1,000;
\(^1_2\) brl, \$17; lighter weight, \$1 \$\pi\$ 1,000 less.

LEAD—6\(^1_2\)@7c for pressed bars. RICE—Louisiana, 527c.
SALT—In car lots, 90c; small lots, \$1.0021.05.
SPICES—Pepper, 19220c; allspice, 12215c; cloves, 26230c; cassia, 10212c; nutmegs, 802

STARCH—Refined pearl, 24 a 3c \$\psi\$ is; Champion gloss, 1-is and 3-is packages, 5 a 5 \(\frac{1}{2} c \) is; Champion gloss lump, 3 \(\frac{1}{2} \) 4c.

Twine—Hemp, 12 \(\frac{1}{2} \) 18c \(\frac{1}{2} \) is; wool, 8 \(\frac{1}{2} \) 10c, ax, 20@30c: paper; 18c; jute, 12@15c; cotton; WOODENWARE—No. 1 tubs, \$7.25@7.50; No. 2 tubs, \$6@6.50; No. 3 tubs, \$5.25@5.50; 3-hoop pails, \$1.60@1.65; 2-hoop pails, \$1.40@1.45; double washboards, \$2@2.75; common washboards, \$1.40@1.85, clothes-pins, 50@85cP box. Wooden, \$1.40@1.85, clothes-pins, 50@85cP box.

3 lbs, 30c; 5 lbs, 40c. BEANS—Choice hand-picked navy, \$2.40@2.50 p bu; medium hand-picked, \$2.40@2.50. WRAPPING-PAPER—Light-weight straw, 24@30 # b; light-weightrag, 24 @3c # b; heavy-weight straw, 14 @2c # b; heavy-weight rag, 24 @3c # b; heavy-weight rag, 24 @3c # b; Manilla, No. 1, 8 @9c; No. 2, 54 @64c; print paper, No. 1, 6 @7c; book paper, No. 3, 8. & C., 10@11c; No. 2, 8. & C., 8 @9c; No. 1, 8. & C., 74

IRON AND STEEL

Bar iron (rates), 2@2.20c: horse-shoe bar, 3c Norway rail rod, Sc: German steel plow-slabs. 4c; American drill steel, 10@12c; Banderson tool steel, 16c; tire steel, 3c; spring steel, 5c; horse-shoes. \$\psi\$ keg, \$4.25@4.50; mule's shoes, \$\psi\$ keg, \$5.25@5.50; horse nails, \$\psi\$ box, 8d, \$5; steel nails, 10d and larger, \$2.50 \$\psi\$ keg; other cizes at the usual advance; wire nails, \$3.

TINNERS' SUPPLIES—Best brand charcoal tin, IC, 10x14, 14x20, 12x12, \$7; IX, 10x14, 14x20 and 12x12, \$8.50æ9; IC, 14x20, roofing tin, \$5.75; IC, 20x28, \$11.50; block tin, in pigs, 27c; in bars, 29c. Iron—27 B iron, 3½c; C iron, 5½c; relyanized 60 per cent discount. Sheet ring

galvanized, 60 per cent. discount. Sheet zine, 7c. Copper bottoms, 25c. Planished copper, 30c. Solder, 16@18c. LEATHER, HIDES AND TALLOW. LEATHER—Oak sole, 28@33c; hemlock sole, 22@28c; harness, 26@30c; skirting, 30@34c; black bridle, \$\Phi\$ doz., \$50@55; fair bridle, \$60@78 \$\Phi\$ doz.; city kip, \$60@80; French kip, \$85@110; city calf-skins, 60c@\$1; French calf-skins, HIDES-No. 1 cured hides, 5c; No. 2 cured ides, 31cc; No. 1 green, 31cc; No. 2 green, 3c.

SHEEPSKINS-40@75c. TALLOW-No. 1, 4c; No. 2, 312c. GREASE-White, 4c; yellow, 3c; brown, 212c. HORSE HIDES -- \$2.

JOBBING PRICES-Smoked meats-Sugar-cured nams, 10 to 12 ths average, 12c; 15 ths average, 1114c; 1712 the average, 11c; 20 the average. 101gc; 22 the average, 10c; Englished-cured treakfast bacon, light or medium, 101gc; shoulders, 10 to 12 the average, 71gc; shoulders, 14 to 16 the 10 to 12 hs average, 7½c; shoulders, 14 to 16 hs average, 6½c; California hams, light or medium, 6c; dried beef hams and knuckle pieces, 9½c; thin pieces, 8c. Bacon—Clear sides, 30 hs average, 7½c; clear backs, medium average, 7c; clear bellies, medium weight, 7½c. Drywalt and Pickled Meats—Clear sides (unsmoked), 7c; clear backs (unsmoked), 7c; clear backs (unsmoked), 7c; clear bellies (unsmoked), 7c; clear backs (unsmoked), 7c

barrels, 8c; in 50-m cans in 100-m cases, 7%c; in 20-m cans in 80-m cases, 8c. Prime Leaf Lard—In tierces, 74c. Hoosier Packing Company Lard—In tierces, 7c; in 50-m cans in 100-m cases, 74c. Fresh Meats—Tenderloins, 13c; spare ribs, 542c; saugage (link), 8c; sausage (bulk), in 20-m pails, 74c; sausage meat, 6c; pork loins (fat trimmed off), 7c; pork, roasting pieces. 4¹9c.

Wholesale Prices—Car-load lots -S. P. shoulders, 4c; short-rib sides, dry salt, 5¹9c. Prime steam lard, 6¹9c.

PRODUCE.

EGGs-Shippers paying 20c; selling from store BUTTER-Fancy creamery, 22@24c; fair creamery, 17@18c; fine dairy, 12c; good country, 10c, according to the condition in which it is received. Common stock will bring but 4@5c FEATHERS-Prime geese, 35c ♥ tt, mixed duck

BEESWAX—Dark, 18c; yellow, 20c.

WOOL—Tub-washed and picked, 33@35c; unwashed medium and common grades, if in good order, 25c; burry and cotted, 17@20c; fleecewashed, if light and in good order, 28@30c; burry and unmerchantable, according to their value.

POULTRY—Hens, 51ge P B; young chickens, 51ge; hen turkeys, 71ge; toms, 526e; roosters, 3c; geese, \$4.8025.40 P doz; ducks, 6c.

GAME — Prairie chickens, \$4; per doz. Quails, \$1.25 per doz. Squirrels, 75c per doz. Rabbits, 75c per doz; venison saddles, P B, 14215c.

Clover—Red, choice, 60 B bu, \$3.25 \$3.75; English, choice, \$3.35 \$3.90; white, choice, \$7.40 \$5.75; alsike, \$6.50 \$7.00; alfalfa, choice, \$6.75 \$6.75\$; alsike, \$6.50 \$7.00; alfalfa, choice, \$7.40 \$7.25; alsike, \$7.40 \$7.25; al

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The Importance of Nitrogen in Vegetation. Philadelphia Record. Scientists have long diligently worked gen, which (to make plain to those who may not have given the subject consideration) means the procurement or utilization of the free nitrogen of the atmosphere as food for plants. The air is composed of about four-fifths nitrogen, which is in a free or uncombined condition. If it could be cheaply combined with some other element it would provide all that the farmer could wish of that character, but as it seems to avoid combinations the free nitrogen of the atmosphere is yet beyond the gen of the atmosphere is yet beyond the utilization of agriculturists except so far as the plants are able to appropriate it. The object on the part of scientists is to determine if plants have the capacity to appropriate free nitrogen directly from the

Lawes, Gilbert, Berthelot, Wilforth and Hellriegel have made experiments extending over a period of many years, but they have failed to discover any evidence showing that the free nitrogen enters directly into the combination of any class of plants. Berthelot found that free nitrogen was brought into combination by argillaceous soils when exposed in their natural condition, and that there was fixation, due to living organisms. These gains of nitrogen explain how argillaceous soils eventually become vegetable molds, and other experi-ments made in France demonstrate that micro-organisms play an important part in such processes of combination; that elec-trical discharges in the atmosphere at certain temperatures effected the result, and that when the air is charged with electric-ity organic matter absorbed nitrogen and ity organic matter absorbed nitrogen and oxygen and effected combination; but results were not favorable to the supposition that the plants themselves effected fixation.

That combinations occur under favorable conditions are supported by the gain of nitrogen in the soil, evidences pointing to two actions in the soil, one liberating nitrogen and the other bringing it into combination. There are several combinations to be considered, and their sources do not depend on the free nitrogen alone, as they already exist, among them being ammonia and nitric acid (compounds of nitrogen), and the gain of these substances may be from the atmosphere, and yet not from free nitrogen, but it is admitted that certain plants and soils, under certain conditions, may avail themselves of nitrogen brought into combination under the influence of lower organisms. The farmer is interested in the study of this subject for the reason that should discovery result in arriving at the knowledge of the best conditions favorable, and the action of cerditions favorable, and the action of cer-tain plants on the soil, he will be better en-abled to take advantage of such and in-crease the fertility of the soil by green ma-

Breed vs. Individuality. Farm, Stock and Home.

essential feature of stock husbandry, about knowing how to select a good animal for a given purpose, on its individual merits, and without any reference to its name or the general characteristics of its breed. It a tithe of the time which has been devoted to the discussions of the relative merits of the different breeds had been devoted to the discussions of the relative merits of different individuals of the same breed, and a general diffusion of information concern-ing the markings and characteristics of the poor and good, we would now be occupying a higher plane of knowledge, and our fields would be occupied by a decidedly higher grade of stock. It is no longer enough for grade of stock. It is no longer enough for a man to know that he has a horse, cow or bull of a certain breed; he must know if the animal he owns possesses in the highest de-gree those qualities which he expects to profit by, be it milk or beef, speed or

strength, wool or mutton.

It was once the accepted belief that if a man owned a herd of Holsteins, Jerseys or Guernseys he had a good dairy herd; we now know that the name or color of his animals is no evidence whatever of the quality; performance is the true and only test, and what the performance will be can now be determined with astonishing ac-curacy by the form and other external characteristics. Studying these determining characteristics, and learning how to apply the knowledge obtained, are now ab-

solute necessities. Our schools of agriculture, farmers' in-stitutes, and all the forces of agricultural education, must make it an important part of their work. No farmer boy should be allowed to go home from even a short course in a college of agriculture without being able to go into his father's herd and tell very closely which are the most profitable animals in it, either for beef or butter. And no man should ever go home from a farmers' institute without having received some valuable lessons on this most impor-

tant subject. Farm Notes. Coal ashes contain very little fertilizing material, but they often have a favorable mechanical effect on the soil. They loosen

a clay soil. A bread and cheese sandwich, with the cheese about half as thick as the bread, is not only a well-balanced ration but wonderfully satisfying .- Farm, Stock and

Dr. Wiley, of the United States Department of Agriculture, rates the nutritive value of four prominent stock foods in the following order: Wheat, sorghum, Indian corn and then oats unhulled, Professor Atkinson, of South Carolina, finds that the only trustworthy remedy for the peach-tree borer seems to be to hunt for the larvæ late in autumn and early in spring, and kill with a knife. Many other

methods give only temporary relief. A grain bin may be made of specific di-mensions, so that when the grain in it is leveled, the depth will show the exact num-ber of bushels. This is sometimes labor-saving, while it costs no more to build hins in this way. If a bin is tifty by fortybins in this way. If a bin is hity three inches, every inch depth will hold a | agents, or send subscriptions to

In storing away beets, carrots, turnips, parsnips, salsify and winter radisties, Vick advises to put them in boxes or barrels in layers of soil, filling the soil in between them. The object is to prevent evaporation and retain the juices, and, so kept, they will remain with all their original freshness all winter.

THE INDIANAPOLIS JOURNAL

DAILY, SUNDAY AND WEEKLY.

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No newspaper in the West is more widely or more favorably known than the Indianapolis Journal. By the display of enterprise and strict attention to the wants of the reading public, during the great campaign of 1888, it has taken a leading position among the most prominent journals of the country, and is certainly among the best. Among the newspapers of the State it is pre-eminently the best, and Indiana readers can nowhere else find what they want in the way of State and local news. It circulates largely in every county in Indiana, nd has correspondents in every town and village of importance. Its market reports are prepared with the greatest care possible, and no pains or expense are spared to make them accurate and absolutely reliable. It is the only newspaper in the State owning and publishing all the news furnished by the two great press associations (the Western Associated Press and the United Press), in addition to which it furnishes an abundance of special service from all the principal cities of the country. It has been, and will in future be, the aim of the publishers to make the Indianap OLIS JOURNAL a perfect and complete newspaper, deficient in no department or particular. The paper challenges comparison with any of its contempo-

No Indiana reader, certainly no Indiana Republican, should be without the Journal. While it is thoroughly and soundly Republican in politics, devoted to the interests of the Republican party. the Journal will not allow its news to be colored by partisan bias, but will give the news of the day without fear or

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